

14998.230

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicant** 

Kazuhiko Aikawa et al.

Serial No.

09/635,109

Filed

August 9, 2000

For

Optical Fiber and Optical Transmission System

Art Unit

2874

Examiner

Stahl, M.

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October 28, 2003

Mail Stop: Communication
Commissioner for Patents

P.O. Box 1450

Alexandria, VA 221313-1450

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TECHNOLOGY CENTER 2800

#### **COMMUNICATION**

Enclosed please find, a copy of the Office Action issued by the Japanese Patent Office with cover copies of respective cited references which were previously submitted for this application. A copy of the IDS submission dated August 9 2000 is enclosed, for Japanese patent application 2000-012259 and Japanese patent application 11-228904, as priority documents and a copy of the Examiner's initialed PTO-1449 form for WO 00/62106, dated August 27, 2001.

We respectfully request that this communication be entered into record.

We believe no fees are due, the Commissioner is hereby authorized to charge and/or credit Deposit Account No. 03-1240 for credit overpayment or charge of additional fees as required.

Respectfully submitted,

y Daniel Basov

Daniel Basov, Reg. No. 42,303

CHADBOURNE & PARKE LLP

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(212) 408-5275

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to: Assistant Commissioner for Patents,

Washington, D.C.20231

on October 29, 2003

BY Tammy Parubchenko

Mailing Number: 025373

Mailing Date: 2003/02 J4 (year/month/day)

1/2



#### NOTICE OF REASONS FOR REJECTION

**Application Number:** 

2000-012259

**Drafting Date:** 

2003/01/24

(year/month/day)

**Examiner:** 

Eiichi YOSHIDA

9124 2K00

Attorney:

Masatake SHIGA et al.

**Cited Articles:** 

Article 29bis

This application should be rejected for the reason(s) lain forth below. If the applicant wishes to comment thereon, the applicant is invited to submit a response within 60 days from the mailing date of this notice.

### REASON(S)

The invention(s) according to the below-listed claim(s) of the present application is identical to the invention(s) disclosed in the specification or drawings as originally filed with the below-listed patent or utility model registration application(s) filed prior to the filing date of the present application and made public after the filing date of the present application; the inventor(s) of the present application is not identical to the party(ies) who made the above-mentioned invention(s) for which an application(s) was filed prior to the filing date of the present application; and at the time the present application was filed, the applicant(s) of the present application was not identical to the applicant(s) of the patent or utility model registration application(s) filed prior to the filing date of the present application; therefore, the invention(s) according to the belowlisted claim(s) of the present application is deemed to be unpatentable in compliance with the provisions of Japanese Patent Law, Article 29bis.

(See the List of Citations for the cited publications)

### **EXAMINER'S COMMENTS**

- 1-8, 17, and 18 • Claims
- Citation 1



Page 13 and Fig. 3 of Citation 1 (earlier application) disclose an embodiment in which the bending loss at a diameter of 20 mm is 6.2 dB/m.

The value of this 6.2 dB/m bending loss is less than 10.2 to 100 dB/m which is the numerical range recited in (5) of claim 1.

However, in general, a smaller bending loss is preferable, and there is no particular technical significance in the point of setting the lower limit of the bending loss to 10.2 dB/m (assuming there is significance, then this would be the introduction of new matter). Therefore, the numerical difference in the bending loss as described above is not a substantial difference.

No reasons for rejection are currently known for the claims which were not indicated in this Notice of Reasons for Rejection. The applicant will be notified of new reasons for rejection if such reasons for rejection are found.

#### LIST OF CITATIONS

Japanese Patent Application No. Hei 11-160922 [Japanese Patent Application No. 2000-611115 which claims priority and has been made public (PCT International Publication No. WO 00/62106)]

# 日本国特許庁

# PATENT OFFICE JAPANESE GOVERNMENT

別紙添付の書類に記載されている事項は下記の出願書類に記載されて る事項と同一であることを証明する。

'his is to certify that the annexed is a true copy of the following application as filed this Office.

願年月日 te of Application:

1999年 8月12日

願番号 lication Number:

平成11年特許願第228904号

願人 icant (s):

株式会社フジクラ

2000年 3月24日

特許庁長官 Commissioner, Patent Office

近藤隆彦

# 発送番号 025373 発送日 平成15年 2月 4日 2/ 2

ましたら下記までご連絡下さい。

特許審査第一部光デバイス 審査官 吉田英一

TEL. 03(3581)1101 内線3255

FAX. 03 (3580) 6902

# 引用文献等一覧

1. 特開平11-160922号 [出願公開された優先権主張を伴う特願200 0-611115号(国際公開第00/62106号パンフレット)]

# 日本国特許庁

# PATENT OFFICE JAPANESE GOVERNMENT

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This is to certify that the annexed is a true copy of the following application as filed this Office.

願年月日

te of Application:

2000年 1月20日

願 番 号

lication Number:

特願2000-012259

顧人 cant (s):

株式会社フジクラ

2000年 3月24日

特許庁長官 Commissioner, Patent Office

近藤隆彦

## 9131 1/2

拒絶理由通知書

特許出願の番号

特願2000-012259

起案日

平成15年 1月24日

特許庁審査官

吉田 英一

9124 2K00

特許出願人代理人

志賀 正武(外 3名) 様

適用条文

第29条の2

この出願は、次の理由によって拒絶をすべきものである。これについて意見が あれば、この通知書の発送の日から60日以内に意見書を提出して下さい。

#### 理由

この出願の下記の請求項に係る発明は、その出願の日前の特許出願であって、その出願後に出願公開された下記の特許出願又は実用新案登録出願の願書に最初に添付された明細書又は図面に記載された発明と同一であり、しかも発明をした者と同一ではなく、またこの出願の時において、その出願人が上記特許出願又は実用新案登録出願人と同一でもないので、特許法第29条の2の規定により、特許を受けることができない。

記 (引用文献等については引用文献等一覧参照)

- ·請求項1~8、17、18
- ・引用文献等1
- ・備考

文献等 1 (先願) の第 1 3 頁及び図 3 には、直径 2 0 mmでの曲げ損失が 6 . 2 d B / mの実施例が記載されている。

この6. 2dB/mという曲げ損失の値は、請求項1の(5)に記載された数値範囲である $10.2\sim100dB/m$ を下回るものである。

しかし、一般に曲げ損失は小さい方が望ましく、また曲げ損失の下限値を10.2dB/mとした点に格別の技術的意義はない(仮にあるとすれば新規事項の追加となる)。したがって、上記のような曲げ損失の数値上の差異は実質的な差異ではない。

この拒絶理由通知書中で指摘した請求項以外の請求項に係る発明については、 現時点では、拒絶の理由を発見しない。拒絶の理由が新たに発見された場合には 拒絶の理由が通知される。

この拒絶理由通知の内容に関するお問い合わせ、または面接のご希望がござい

# **PCT**

# 世界知的所有権機関 国際事務局 特許協力条約に基づいて公開された国際出願



(51) 国際特許分類7 G02B 6/16

A1

(11) 国際公開番号

WO00/62106

(43) 国際公開日

2000年10月19日(19.10.00)

(21) 国際出願番号

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JР

JР

(22) 国際出願日

2000年4月13日(13.04.00)

(30) 優先権データ

特願平11/105452 特願平11/160922 1999年4月13日(13.04.99)

1999年6月8日(08.06.99)

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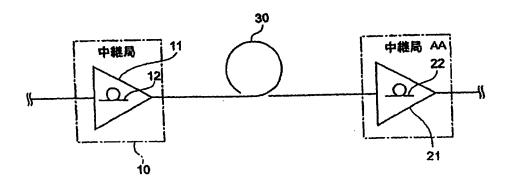
(81) 指定国 AU, CA, JP, US, 欧州特許 (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE)

添付公開書類

国際關查報告書

(54) Title: OPTICAL FIBER AND OPTICAL COMMUNICATION SYSTEM COMPRISING THE SAME

(54)発明の名称 光ファイバ及びそれを含む光通信システム



AA.10...REPEATING STATION

(57) Abstract

An optical fiber having a structure suitable for long-distance optical communication and an optical transmission line comprising the same. The optical fiber comprises a core region extending along a predetermined axis and a clad region surrounding the core region. The optical fiber has characteristics at the 1.55 µm wavelength, such as an effective cross section of more than 110 µm², a dispersion of 18 to 23 ps/nm/km, and a dispersion slope of 0.058 to 0.066 ps/nm²/km.

14998.230

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants

: Kazuhiko Aikawa et al

Serial No. : To Be Assigned

Filed

: Herewith

For

OPTICAL FIBER AND OPTICAL TRANSMISSION

SYSTEM

Art Unit : N/A

Examiner

N/A

August 9, 2000

Assistant Commissioner for Patents Washington, D.C. 20231

# TRANSMITTAL OF PRIORITY DOCUMENT

Sir:

Transmitted herewith is a certified copy of the following patent application, the foreign priority of which has been claimed under 35 USC 119:

> Japanese Patent Appl No 11-228904, Filed 8/12/99 Japanese Patent Appl No 2000-012259, Filed 1/20/00

It is submitted that this certified copy satisfies all of the requirements of 35 USC 119, and the right of

foreign priority should therefore be accorded to the present application.

Respectfully submitted,

CHADBOURNE & PARKE LLP

By:

Trance Montgoney

Francis Montgomery Reg. No. 41,202

30 Rockefeller Plaza New York, NY 10112 (212) 408-1075

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231
on August 9, 2000
CHADBOURNE & PARKE

Francis Montgomery

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	AB	5,781,684	11/1998				<del></del>		
MUS	AC	5,361,319	7/1998						
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4175	Yanning Liu, et al, "SINGLE-MODE DISPERSION-SHIFTED FIBERS WITH EFFECTIVE AREA LARGER THAN 80 um2 AND GOODBENDING PERFORMANCE", EOC. (1995) no month avail.)  ECOC.								
W72		``.			•				
M)S	P. Nouchi, et al, "NEW DISPERSION-SHIFTED FIBERS WITH EFFECTIVE AREA LARGER THAN 90 um2, EOCC '96 Mob.3.2. (1976, no month avail.)								
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considered.	EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

Form PTO-A820 (also form PTO-1449)

P09C/REV03

Patent and Trademark Office \* U.S. DEPARTMENT OF COMMERCE

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OCT 3 1 2003	TRANSMITTAL LETTER. (General - Patent Pending)		Docket No. 14998-230						
in Re Application Of the	Aikawa, et. al.								
Serial No. 09/635,109	Filing Date August 9, 2000	Examiner Mike Stahl	Group Art Unit 2874						
Title: "OPTICAL FIR	BER AND OPTICAL TRANSMISSIO	ON SYSTEM"							
Transmitted herewith is:	Transmitted herowith is:								
TRANSMITTAL LETTER COMMUNICATION WITH CERTIFICATE OF MAILING/TRANSLATED JAPANESE OFFICE ACTION JAPANESE REFERENCES 2000-01225/11-228904 AND COVER SHEET OF WO 0062106 COPIES OF IDS SUBMISSIONS FOR THESE REFERENCES CONFIRMATORY POSTCARD									
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Danvel	Basov D	Dated: October 29, 2003							
Daniel Basov, Reg. No. 4 CHADBOURNE &PARI 30 Rockefeller Plaza New York, New York 10 1-212-408-5275	CKE LLP	onctober 29, 2002 first class mail under 37	ment and fee is being deposited with the U.S. Postal Service as C.F.R. 1.8 and is addressed to the r for Patents, Washington, D.C.						

20231.

Signature of Person Mailing Correspondence

dammy Parubchenko

Typed or Printed Name of Person Mailing Correspondence

CC:

# TRANSMITTAL LETTER Docket No. (General - Patent Pending) 14998-230 In Re Application Of: Aikawa, et. al. Serial No. Filing Date Examiner Group Art Unit 09/635,109 August 9, 2000 Mike Stahl 2874 FEER AND OPTICAL TRANSMISSION SYSTEM" Title: TO THE ASSISTANT COMMISSIONER FOR PATENTS: Transmitted herewith is: TRANSMITTAL LETTER COMMUNICATION WITH CERTIFICATE OF MAILING/TRANSLATED JAPANESE OFFICE ACTION JAPANESE REFERENCES 2000-01225/11-228904 AND COVER SHEET OF WO 0062106 COPIES OF IDS SUBMISSIONS FOR THESE REFERENCES **CONFIRMATORY POSTCARD** in the above identified application. No additional fee is required. A check in the amount of is attached. The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 03-1240 as described below. A duplicate copy of this sheet is enclosed. Charge the amount of $\boxtimes$ Credit any overpayment. TECHNOLOGY CENTER 2800 $\boxtimes$ Charge any additional fee required. Dated: October 29, 2003 Daniel Basov, Reg. No. 42,303 CHADBOURNE &PARKE LLP certify that this document and fee is being deposited

Daniel Basov, Reg. No. 42,303 CHADBOURNE &PARKE LLP 30 Rockefeller Plaza New York, New York 10112 1-212-408-5275

October 29, 2002 with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents; Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Tammy Parubchenko

Typed or Printed Name of Person Mailing Correspondence

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